

ABSTRACT

An apparatus for detecting a vehicle rollover includes a sensor suite for sensing vehicle dynamics data, the sensor suite being connected to a processor which is configured in such a way that the processor detects a vehicle rollover as a function of the vehicle dynamics data and the rollover sensor suite. The processor has means for dividing an operating state of the vehicle into chronologically successive phases. In particular, the processor has means for determining, for each phase, a float angle and a transverse vehicle velocity from the vehicle dynamics data; the float angle and the transverse vehicle velocity being used, together with the data from the rollover sensor suite, for detection of the vehicle rollover.